

EXHIBIT 2

TABLE 2A. TWO STAGE WALEIC ACID HYDROGENATION

TABLE 2A. FIRST STAGE ADIABATIC SIMULATION

CATALYST	PARAMETER	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT (h)	AVERT (%O)	AVERT (%O) QHSV	AVERT LHSV	AVERT MAG	AVERT H2/C4	RDQ	THE	QBL	RDQ	NOTES
JB01	4:4:9	Extrud.	16762-67		BDORX12	7-16	126	2101	0.57	40	126	9.9	0.0	0.0	28.0	52.1	Adiabatic 122713400
			16763-1			50-66	127	9999	1.28	40	99	0.0	0.0	0.0	28.3	74.7	Adiabatic 122713100
						68-126	127	15706	1.77	40	99	0.0	0.0	0.0	18.7	80.3	Adiabatic 122713000
						130-165	131	6023	1.70	40	61	0.0	0.0	0.0	21.5	78.5	Adiabatic 122713600

TABLE 2B. SECOND STAGE ADIABATIC SIMULATION

CATALYST	PARAMETER	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT (h)	AVERT (%O)	AVERT (%O) QHSV	AVERT LHSV	AVERT H2/C4	RDQ	THE	QBL	RDQ	RDQ	NOTES
JB03	4:4:5	Extrud.	16783-46		BDORX13	33-41	182	2284	0.78	36	36	33.5	6.0	2.1	5.8	0.5	Adiabatic 185715900
						50-96	177	3810	0.78	67	67	34.2	7.6	3.3	4.2	0.3	Adiabatic 185715900
						88-108	188	5613	0.75	89	89	78.3	11.1	7.8	2.7	0.1	Adiabatic 184717900

COMPARISON OF SECOND STAGE SIMULATION IN 40 C.C. AND 200 C.C. REACTORS

CATALYST	PARAMETER	REACTOR FORM	REFERENCE	TOS (h)	AVERT (%O)	AVERT LHSV	AVERT H ₂ /C ₄	RDQ	THE	QBL	RDQ	THE	QBL	RDQ	THE	QBL	RDQ	NOTES
JB03	4:4:3	200 c.c.	Extrud. 16783-46	50-96	177	0.76	67	64.2	7.6	3.3	4.2	0.3	Adiabatic 185715900					
JB04	4:4:3	40 c.c.	Extrud. 16619-76	40	165	0.66	65	79.9	9.3	0.3	0.5	0.4	160°C Bat Temperature					

TABLE 2D. SECOND STAGE SIMULATION WITH OXIDIZED CARBON CATALYST

CATALYST	PARAMETER	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT °C	AVERT QHSV	AVERT LHSV	AVERT H2/C4	RDQ	THE	QBL	RDQ	RDQ	SAC
16661-89	4:4:6	Extrud.	16783-93		BDORX14	21-43 47-87	172 177	3884 3017	0.95 0.71	72 51	44.0 46.1	4.3 5.8	37.12 36.6	1.7 1.6	0.5 0.0	12.9 7.3
16661-84	4:4:3	Extrud.	16661-4		BDORX15	9-36	176	3452	0.66	73	70.0	3.3	18.3	4.7	0.7	2.9